

CLAIMS:

1. A high-pressure discharge lamp comprising:
 - an outer envelope (1) in which a discharge vessel (11) is arranged around a longitudinal axis (22),
 - the discharge vessel (11) enclosing, in a gastight manner, a discharge space (13) provided with an ionizable filling,
 - the discharge vessel (11) having a first (2) and a second (3) mutually opposed neck-shaped portion through which a first (4) and a second (5) current-supply conductor, respectively, extend to a pair of electrodes (6, 7) arranged in the discharge space (13),
 - a lamp base (8) of electrically insulating material supporting the discharge vessel (11) via the first and second current-supply conductors (4, 5),
 - the lamp base (8) being provided with a first (14) and a second (15) contact member connected to the respective first and second current-supply conductor (4, 5),
 - the lamp base (8), and/or the first and/or the second contact member (14, 15) functioning as an end-of-life device.
- 15 2. A high-pressure discharge lamp as claimed in claim 1, characterized in that the lamp base (8) is made from a soft glass, hard glass, or ceramic material.
3. A high-pressure discharge lamp as claimed in claim 1 or 2, characterized in that the first and the second contact member (14, 15) are made from an oxidized nickel-iron-chromium material.
- 20 4. A high-pressure discharge lamp as claimed in claim 3, characterized in that the first and the second contact member (14, 15) are made from a NiFeCr alloy.
- 25 5. A high-pressure discharge lamp as claimed in claim 1 or 2, characterized in that the lamp base (8) supports the outer envelope (1), the outer envelope (1) encloses the first and second current-supply conductors (4, 5), and the outer envelope (1) is connected to the lamp base (8) in a gas-tight manner.

6. A high-pressure discharge lamp as claimed in claim 5, characterized in that the first and the second contact member (14, 15) issue from the outer envelope (1).

5 7. A high-pressure discharge lamp as claimed in claim 1 or 2, characterized in that an exhaust tube (18, 18') for evacuating the outer envelope (1) is provided in the lamp base (8) or in the outer envelope (1).

10 8. A high-pressure discharge lamp as claimed in claim 7, characterized in that the exhaust tube (18) in the lamp base (8) is made from a metal or from a NiFeCr alloy.

9. A high-pressure discharge lamp as claimed in claim 1 or 2, characterized in that the ratio of the distance d_e between the electrodes (6, 7) to the height h_{dl} of the high-pressure discharge lamp along the longitudinal axis (22) lies in a range of:

$$15 \quad 0.02 \leq \frac{d_e}{h_{dl}} \leq 0.2.$$